

FIG.1

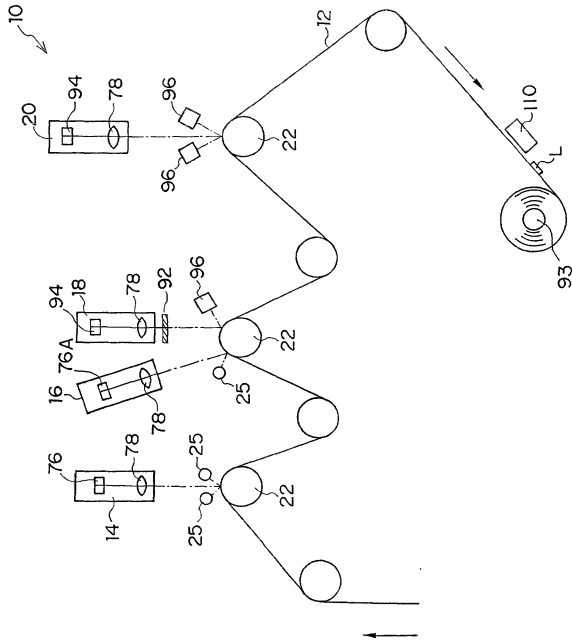


FIG.2

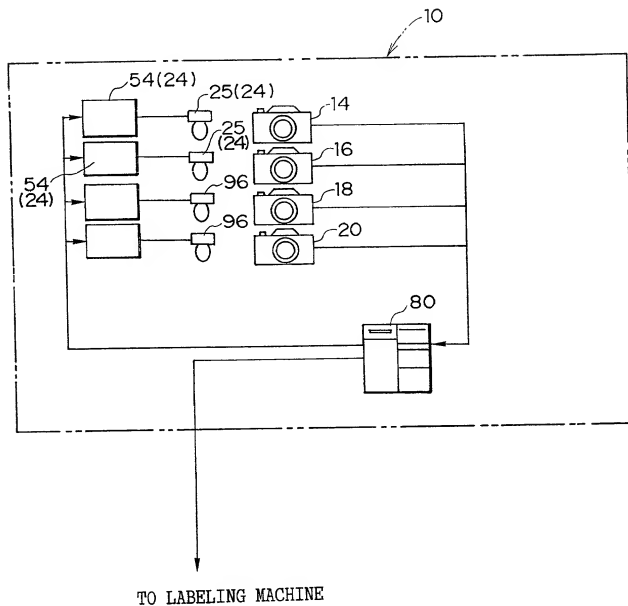


FIG.3

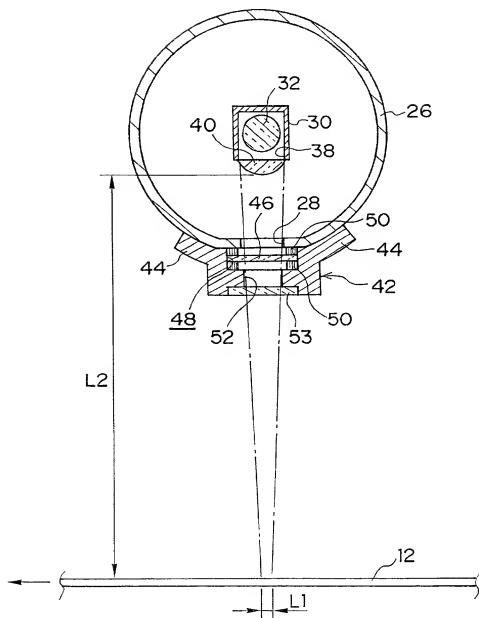


FIG.4

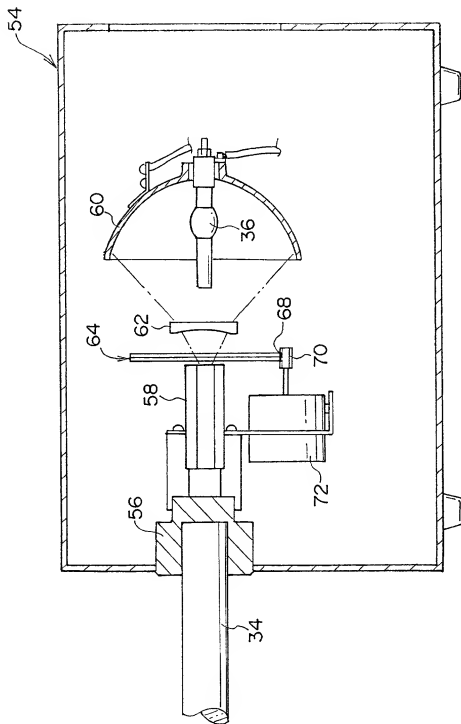


FIG.5A

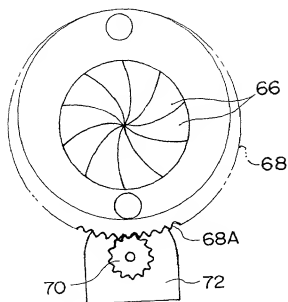


FIG.5B

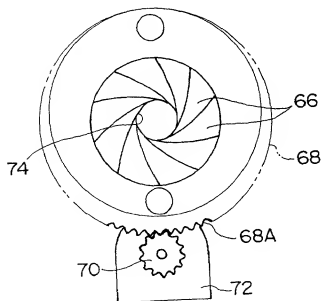


FIG. 6





	CAMERA OF FOURTH GROUP	CAMERA OF FIRST GROUP	CAMERA OF THIRD GROUP	CAMERA OF SECOND GROUP
REFLECTED LIGHT				
LIGHT-RECEIVING ELEMENT	NON-REGULAR REFLECTION SQUARE (1:1)	NON-REGULAR REFLECTION ELONGATED (14:1)	REGULAR REFLECTION SQUARE (1:1)	REGULAR REFLECTION ELONGATED (14:1)
NUMBER OF CAMERAS	12	4	12	6
OPTICAL FILTER	—	—	—	POLARIZING FILTER
SIGNAL PROCESSING	DIFFERENTIAL PROCESSING	PROCESSING FOR STREAKS	DIFFERENTIAL PROCESSING	PROCESSING FOR STREAKS
DETECTED DEFECTS	SMALL COLOR DEFECTS, SMALL FOREIGN SUBSTANCES	SMALL COLOR STREAKS	SMALL FLAWS	SMALL SCRATCHES
PRECISION OF DETECTION	0.07(WIDTH)×0.07mm	0.2(WIDTH)×2.8 mm	0.07(WIDTH)×0.07mm	0.14(WIDTH)×2.0mm
SMALLEST DETECTABLE SIZE	φ 0.1 mm	0.1mm (WIDTH) × 10mm	φ 0.1 mm	0.05mm (WIDTH) × 5mm

FIG. 7

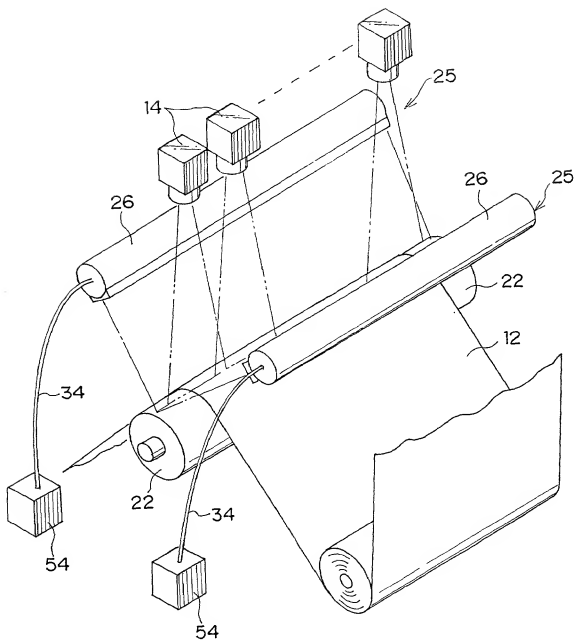


FIG.8

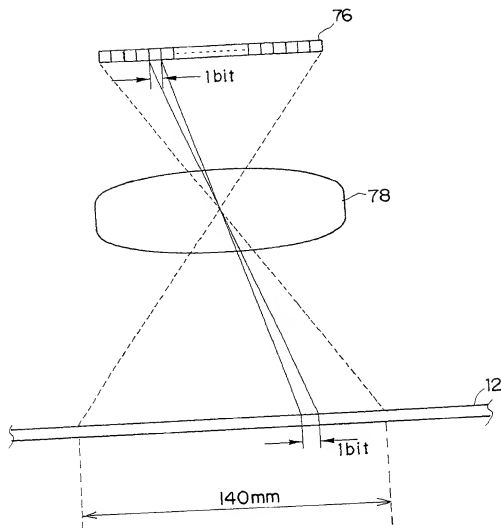


FIG. 9

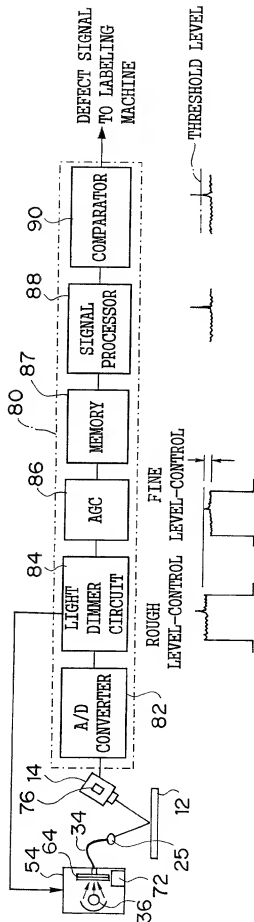


FIG.10

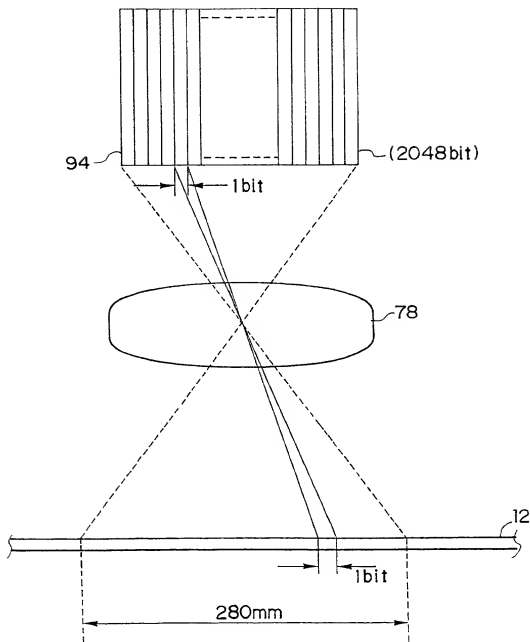


FIG.11

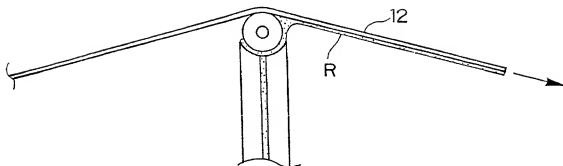


FIG.12

